Claims:

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- An isolated polynucleotide molecule encoding a candidate effector 1. protein for the Grb7 family of signalling proteins, wherein the polynucleotide molecule comprises a nucleotide sequence having at least 75% sequence identity to that shown as SEQ ID NO: 1.
- 2. A polynucleotide molecule according to claim 1, wherein the polynucleotide molecule comprises a nucleotide sequence having at least 85% sequence identity to that shown as SEQ ID NO: 1.
- A polynucleotide molecule according to claim 1, wherein the 3. polynucleotide molecule comprises a nucleotide sequence having at least 95% sequence identity/to that shown as SEQ ID NO: 1.
- A polynucleotide malecule according to claim 1, wherein the polynucleotide molecule comprises a nucleotide sequence which substantially corresponds to that shown as SEQ ID NO: 1.
- A host cell transformed with a polynucleotide molecule according to -any-one-of-the preceding claims.
- 6. A host cell according to claim 5, wherein the host cell is a mammalian. insect, yeast or bacterial host cell.

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- 7. A method of producing a protein, comprising culturing the host cell of claim 5 or 6 under conditions suitable for the expression of the polynucleotide molecule and optionally recovering the protein.
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- A purified protein encoded by a polynucleotide molecule according to any one-of claims 1 to 4.
 - 9. A purified protein according to claim 8, wherein the protein comprises an amino acid sequence substantially corresponding to that shown as SEQ ID NO: 2.

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- 10. A fusion protein comprising an amino acid sequence substantially corresponding to that shown as SEQ ID NO: 2.
- 11. An antibody or fragment thereof which specifically binds to a protein according to claim 8 or 9.
- 12. An oligonucleotide probe comprising a nucleotide sequence of at least 12 nucleotides, the oligonucleotide probe comprising a nucleotide sequence such that the oligonucleotide probe selectively hybridises to the polynucleotide molecule of any one of claims 1 to 4 under high stringency conditions.
- 13. An oligonucleotide probe according to claim 12. wherein the oligonucleotide probe comprises a nucleotide sequence of at least 18 nucleotides.
- 14. A method of detecting in a sample the presence of an effector protein for the Grb7 family of proteins, the method comprising reacting the sample with an antibody or fragment thereof according to claim 11.
- 15. A method of detecting in a sample the presence of mRNA encoding an effector protein for the Grb7 family of proteins, the method comprising reacting the sample with an oligonucleotide probe of claim 12 or 13.

